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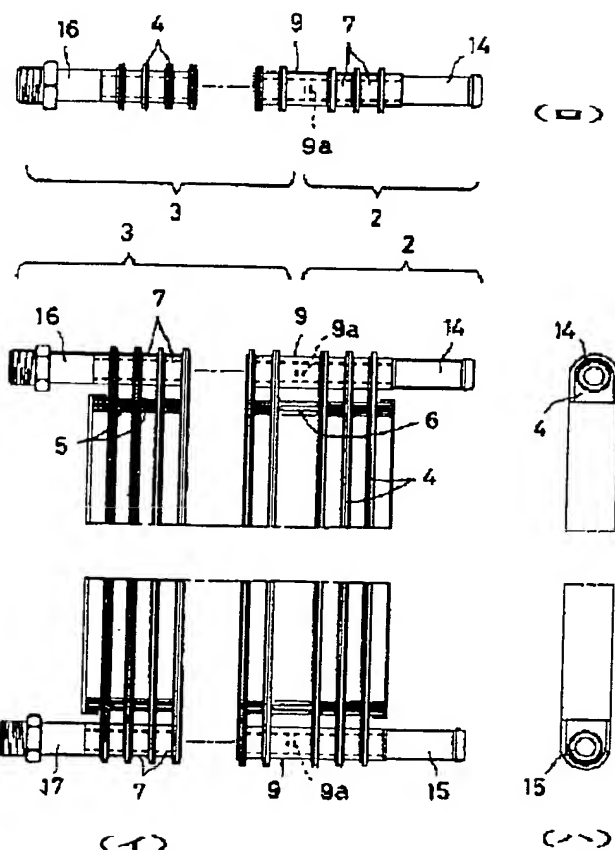
APPLICANT : SHOWA ALUM CORP;

INVENTOR : WATANABE SHOICHI;

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TITLE : HEAT EXCHANGER

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ABSTRACT : PROBLEM TO BE SOLVED: To install an oil cooler or the like in combination with other heat exchanger advantageously in cost phase and besides with good recycle property, and besides, make both combined heat exchanger exhibit high heat exchange capacity.

SOLUTION: This heat exchanger is provided with partition walls 9a within short tubular pipes 9 and 9 on both sides between specified band-shaped tubes 4 and 4 constituted in stack type and adjoining one another, and mutually independent heat exchangers 2 and 3 are made on both sides catching the section among the bandshaped tubes 4 and 4. In one heat exchanger 2 and in the other heat exchanger 3, different heat exchange mediums are circulated, and these heat exchangers 2 and 3 are thermally insulated by outer fins 6 large in fin height and fin pitches.

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